

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-37. (canceled)

38. (previously presented) A method of video conferencing, comprising:
establishing a circuit-switched connection between a first party and a second party;
retrieving, responsive to establishment of the circuit-switched connection, network addresses associated with each of the first and second parties from a remote database; and
establishing, based on the retrieved network addresses, a packet-switched connection between the first party and the second party to transmit video.

39. (previously presented) The method of claim 38, wherein the circuit-switched connection is established to transmit audio.

40. (previously presented) The method of claim 38, wherein the packet-switched connection is further established to transmit audio.

41. (previously presented) The method of claim 39, wherein the video is transmitted contemporaneously with the audio.

42. (previously presented) The method of claim 39, wherein the circuit-switched connection connects a first telephone associated with the first party to a second telephone associated with the second party.

43. (previously presented) The method of claim 39, wherein the packet-switched connection is established across an Internet.

44. (previously presented) The method of claim 39, wherein the packet-switched connection connects a first computer associated with the first party to a second computer associated with the second party.

45. (previously presented) The method of claim 42, wherein a first telephone number is associated with the first telephone and a second telephone number is associated with the second telephone.

46. (previously presented) The method of claim 45, wherein retrieving network addresses from the remote database comprises:

performing a look-up of the remote database using the first and second telephone numbers to retrieve the network addresses.

47. (previously presented) The method of claim 38, wherein the network addresses comprise Internet Protocol (IP) addresses.

48. (previously presented) A server, comprising:

a memory configured to store a look-up table that associates telephone numbers with network addresses;

a communication interface configured to:

receive a called party telephone number and a calling party telephone number associated with a connection in a circuit-switched network; and processing logic configured to:

retrieve a first network address associated with the called party telephone number and a second network address associated with the calling party telephone number from the look-up table,

wherein the communication interface is further configured to:

send a first message to a first node, associated with the called party number, wherein the first message comprises the second network address, and

send a second message to a second node, associated with the calling party number, wherein the second message comprises the first network address.

49. (previously presented) The server of claim 48, wherein the network addresses comprise Internet Protocol (IP) addresses.

50. (previously presented) The server of claim 48, wherein at least one of the first message and the second message is sent via instant messaging.

51-55. (canceled)

56. (previously presented) A method of assisting in the establishment of a packet-switched connection between nodes in a packet-switched network, comprising:

- receiving a plurality of telephone numbers;
- receiving a plurality of network addresses in a packet-switched network;
- associating each of the plurality of telephone numbers with a respective one of the plurality of network addresses in a database;
- retrieving from the database, based on the establishment of a circuit switched connection between two telephone numbers of the plurality of telephone numbers, respective network addresses associated with each of the two telephone numbers; and
- assisting in the establishment of a packet-switched connection between two nodes in the packet-switched network using the respective network addresses, wherein each of the two nodes is associated with a different one of the two telephone numbers.

57. (previously presented) The method of claim 56, wherein the network addresses comprise Internet Protocol (IP) addresses.

58. (canceled)

59. (previously presented) The method of claim 56, wherein the retrieving from the database further comprises:

retrieving the respective network addresses via the packet-switched network.

60. (previously presented) A method of video conferencing, comprising:

establishing a circuit-switched connection between a first party and a second party;

performing a look-up of a table, responsive to establishment of the circuit-switched connection, to retrieve a first network address associated with the first party and a second network address associated with the second party;

using instant messaging to send the first network address from a communication interface of a server to a first node associated with the second network address and to send the second network address from the communication interface of the server to a second node associated with the first network address; and

establishing, based on the first and second network addresses received at the first and second nodes, a packet-switched connection between the first party and the second party to transmit video.

61. (previously presented) The method of claim 60, wherein the table is stored at a location remote from the first party and the second party.

62. (previously presented) The method of claim 60, wherein the first network address and the second network address comprise addresses in a packet-switched network.

63. (canceled)

64. (previously presented) The method of claim 62, wherein the first network address and the second network address comprise Internet Protocol (IP) addresses.

65. (previously presented) A server, comprising:

a memory configured to store a look-up table that associates telephone numbers with network addresses;

a communication interface configured to:

receive a called party telephone number and a calling party telephone number associated with a connection in a circuit-switched network; and processing logic configured to:

perform a look-up of the table to retrieve a first network address associated with the called party telephone number and a second network address associated with the calling party telephone number;

wherein the communication interface is further configured to:

use instant messaging to send the first network address to a first node associated with the second network address and to send the second network address to a second node associated with the first network address.

66. (currently amended) A method, comprising:

receiving a called party identifier of a called party from a calling party having a calling party identifier;

establishing a circuit-switched connection between the calling party and the called party;

determining, responsive to establishment of the circuit-switched connection, a called party IP address based on the called party identifier; ~~determining~~ and a calling party IP address based on the calling party identifier by accessing at least one database;

receiving first video and audio data from the calling party IP address and forwarding said first video and audio data to the called party IP address; and

receiving second video and audio data from the called party IP address and forwarding said second video and audio data to the calling party IP address.

67. (previously presented) The method of claim 66, further comprising:

receiving a request from the calling party to initiate a video conference;
sending a notification message to the calling party and the called party to request acceptance of the video conference; and

receiving return messages from the calling party and the called party accepting the video conference.

68. (previously presented) The method of claim 67, wherein the notification message and the return messages are by an instant messaging protocol.

69. (previously presented) The method of claim 66, wherein the called party identifier and the calling party identifier are PSTN telephone numbers.

70. (previously presented) The method of claim 66, wherein the determining of the called party IP address includes accessing a first database associating the called party identifier with the called party IP address, and wherein the determining of the calling party IP address includes accessing a second database associating the calling party identifier with the calling party IP address.

71. (previously presented) The method of claim 70, wherein the first database and the second database are the same.